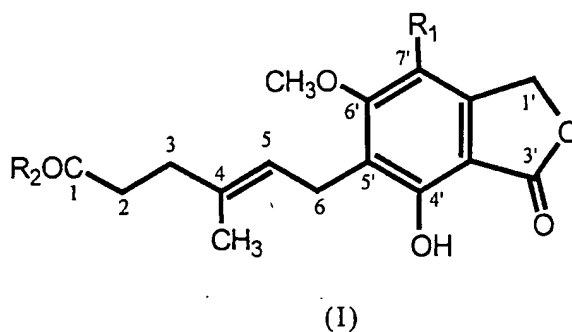


Patent claims

1. A microbiological process for the preparation of compounds of general formula (I)

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wherein R_1 means methyl or hydroxymethyl group and R_2 stands for hydroxyl or amino group, which comprises growing a *Penicillium waksmani* fungal strain able to biosynthesising mycophenolic acid on a culture medium containing assimilable carbon and nitrogen sources as well as mineral salts at 22 to 30 °C, separating the compound of general formula (I), wherein R_1 means methyl group and R_2 stands for hydroxyl group, from the fermentation broth and, if desired, purifying it and, if desired, bioconverting it

- a) by using the cultures of *Streptomyces griseoruber* No. 1/6 actinomycete strain deposited at the National Collection of Agricultural and Industrial Microorganisms as *Streptomyces sp.* No. 1/6 under No. NCAIM (P)B 001275 to prepare a compound of general formula (I), wherein R_1 means methyl group and R_2 stands for amino group; or
- b) by using the cultures of *Streptomyces resistomycificus* No. 1/28 actinomycete strain deposited at the National Collection of Agricultural and Industrial Microorganisms under No. NCAIM (P)B 001276 to prepare a compound of

general formula (I), wherein R_1 means hydroxymethyl group and R_2 stands for amino group
on a culture medium containing assimilable carbon and nitrogen sources as well as mineral salts under submerged, aerated conditions up to completion of the bioconversion, then separating the compound of general formula (I) formed from the culture and, if desired, purifying it.

2. Process according to Claim 1, wherein the *Penicillium waksmani* strain deposited at the National Collection of Agricultural and Industrial Microorganisms under No. NCAIM (P)F 001269 or a mutant strain thereof, which is able to biosynthesising mycophenolic acid is cultivated.

3. Compounds of general formula (I), wherein R_1 means methyl or hydroxymethyl group and R_2 stands for amino group.

4. (E)-6-(1,3-dihydro-4-hydroxy-6-methoxy-7-methyl-3-oxo-5-isobenzofuranyl)-4-methyl-4-hexenoic acid amide

5. (E)-6-(1,3-dihydro-4-hydroxy-6-methoxy-7-hydroxy-methyl-3-oxo-5-isobenzofuranyl)-4-methyl-4-hexenoic acid amide